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Shell Oil Company

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Houston, Texas 77210

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OFFICE OF POLLUTION PREVENTION AND TOXICS
REC'D

November 15, 1993

Document Processing Center (TS-790)
Office of Toxic Substances
U.S. Environmental Protection Agency
401 M Street, S.W.
Washington, D.C. 20460
ATTN: 8(e) Coordinator

Dear Sir:

SUBJECT: ACUTE TOXICITY OF DAN 216 TO THE FATHEAD MINNOW, AND DAPHNIA MAGNA

The following information is submitted under TSCA 8(e).

Acute aquatic toxicity data for DAN 216 (CAS Number 7065-14-7) to the fathead minnow and daphnia magna were determined to be:

1. The acute toxicity (96-hour LC50) of DAN 216 to the fathead minnow was found to be between 0.54 and 1.8 mg/l.

2. The acute toxicity (48-hour EC50) of DAN 216 to daphnia magna was found to be between 0.54 and 1.8 mg/l.

Attached are copies of the preliminary data transmissions from the contracting Laboratory. The complete report will be sent to the Agency when available.

This report is filed to provide information EPA may find useful. In no way is it intended as a waiver of any rights or privileges belonging to Shell Oil Company as the reporting corporation, its agents or employees. The reporting corporation, its agents and employees, reserve the right to object to this report's use or admissibility in any subsequent judicial or administrative proceeding against the corporation, its agents or employees.

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RECEIVED 12-13-93

This report has been compiled based on information available as of the date of filing. The corporation, its agents and employees reserve the right to supplement the data contained in this report, and to revise and amend any conclusions drawn therefrom.

This report contains no confidential business information.

Sincerely,

R. N. Shulman, General Manager
Health, Safety, and Environment

GTY/krl

Attachments

Wildlife International Ltd.

AQUATIC/ANALYTICAL LABORATORIES

8651 Brooks Drive • Easton, Maryland • 21601
Phone: (410) 822-8601 • FAX: (410) 822-8915

FAX TRANSMISSION

Date: 10/12/93 Fax Number: (713) 544-8727

2 page(s) follow this cover sheet.

If this transmission is not received correctly or if pages are missing, please call Wildlife International Ltd. at (410) 822-8601.

PLEASE DELIVER TO:

Name: Diana Wong

Company: Shell Development Company

Department:

From: Kurt Drotter

NOTES: Results of DAN 216 Rangefinding Tests

WILDLIFE INTERNATIONAL LTD.

DRAFT

RESULTS OF STATIC RANGEFINDING TEST WITH *Daphnia magna*

Preliminary results not audited by Quality Assurance

HAS NOT RECEIVED QA AUDIT

SPONSOR: Shell Development Company

WIL PROJECT NO.:

TEST SUBSTANCE: DAN 216

START DATE: October 5, 1993

Nominal Test Concentration (mg/L)	No. Dead / No. Immobile/ No. Exposed (Observations)[1]	
	24 Hours	48 Hours
Negative Control	0/0/10 (10 AN)	0/0/10 (10 AN)
0.16	0/0/10 (10 AN)	0/0/10 (10 AN)
0.54	0/0/10 (10 AN)	0/0/10 (10 AN)
1.8	0/2/10 (7 AN, 1 C)	2/8/10 (N/A)
6.0	8/2/10 (N/A)	10/0/10 (N/A)
20	3/7/10 (N/A)	10/0/10 (N/A)

[1] Observations: AN = Appears Normal; , C = Lethargic, N/A = Not Applicable.

WILDLIFE INTERNATIONAL LTD.

DRAFT

HAS NOT RECEIVED QA AUDIT

RESULTS OF STATIC RANGEFINDING TEST WITH THE FATHEAD MINNOW

Preliminary results not audited by Quality Assurance

SPONSOR: Shell Development Company

WIL PROJECT NO.:

TEST SUBSTANCE: DAN 216

START DATE: October 5, 1993

Test Concentration (mg/L)	No. Dead / No. Exposed (Observations)[1]			
	Day 1	Day 2	Day 3	Day 4
Negative Control	0/10 (10 AN)	0/10 (10 AN)	0/10 (10 AN)	0/10 (10 AN)
0.16	0/10 (10 AN)	0/10 (10 AN)	0/01 (10 AN)	0/10 (10 AN)
0.54	0/10 (10 AN)	0/10 (10 AN)	0/10 (10 AN)	0/10 (10 AN)
1.8	10/10 (N/A)	(N/A)	(N/A)	(N/A)
6.0	10/10 (N/A)	(N/A)	(N/A)	(N/A)
20	10/10 (N/A)	(N/A)	(N/A)	(N/A)

[1] Observations: AN = Appears Normal, N/A = Not Applicable